ABSTRACT OF THE DISCLOSURE

A fluid filtration assembly (10) operable to provide both return-side and supply-side filtration, as, for example, of a fluid entering and leaving a sump (14) as it circulates in a vehicle transmission (12). The fluid filtration assembly (10) broadly comprises a return-side filter (18) and a supply-side filter (20). The return-side filter (18) includes a filter media (33) operable to filter relatively small particles. Fluid flow through the return-side filter (18) may be accomplished using any of three described alternative embodiments, including upflow, downflow, and direct feed. The supply-side filter (20) includes a filter media (42) for filtering needed fluid as it is drawn back into circulation. The supply-side filter media (42) is a low restriction filter media operable to filter only relatively large particles, thereby decreasing bottle-neck effects and minimizing pressure drops.

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